High Definition AD Players

Universal User's Manual

L Series and PF Series

Cautions

1. Do not install and use the unit in moisture, high temperature, outdoor, and closed environment.

2. Please turn off the power supply before cleaning the unit. Spary cleaning solution on rag to wipe down unit. Do Not spray cleaning solution directly on to unit.

3. Do not block air vent and other holes, do not install the unit beside near any heat source, and other devices which may affect the ventalation.

4. In order to avoid the high voltage risk, please do not attempt to disassemble and or repair the unit, please call your representative or ask a professional to maintain if a problem accours.

5. Use the unit under a stable power supply. Do not use it with another high power device from the same power supply, this may affect the unit, or even damage it.

6. Turn off power or remove the power cable and network cable during a thunder storm or severe weather.

7. Power off the unit if it is not being used or has stoped working.

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Packing list

In the carton, you will find the following:

- LCD display
- Remote controller
- Wall plate (on all PF series below 42")
- Power cable
- Key
- CD
- Allen Key (for L Series display only, to remove handles)

1. Product Introduction

1.1 Overview:

High definition LCD display, support pictures, video, text, time & date, 1080P HD media files. ADPE software can provide multi zone function for both horizontal and vertical mode; customized templates are available for users with different requirements.

1.2 Product function

- Built in 4GB flash memory
- 28 transition modes to choose from
- Supports scrolling text
- Set the timer On/Off function daily or weekly
- Set different schedules, and play it back accordingly
- Display your screen in both landscape and portrait modes
- Support multiple zone templates, different templates are available
- An external media player can be used via the screens VGA or HDMI input ports
- High security encryption function can be used to protect your content
- Read media files from USB stick directly, or input the media files from USB stick to internal flash memory

1.3 I / O ports introduction

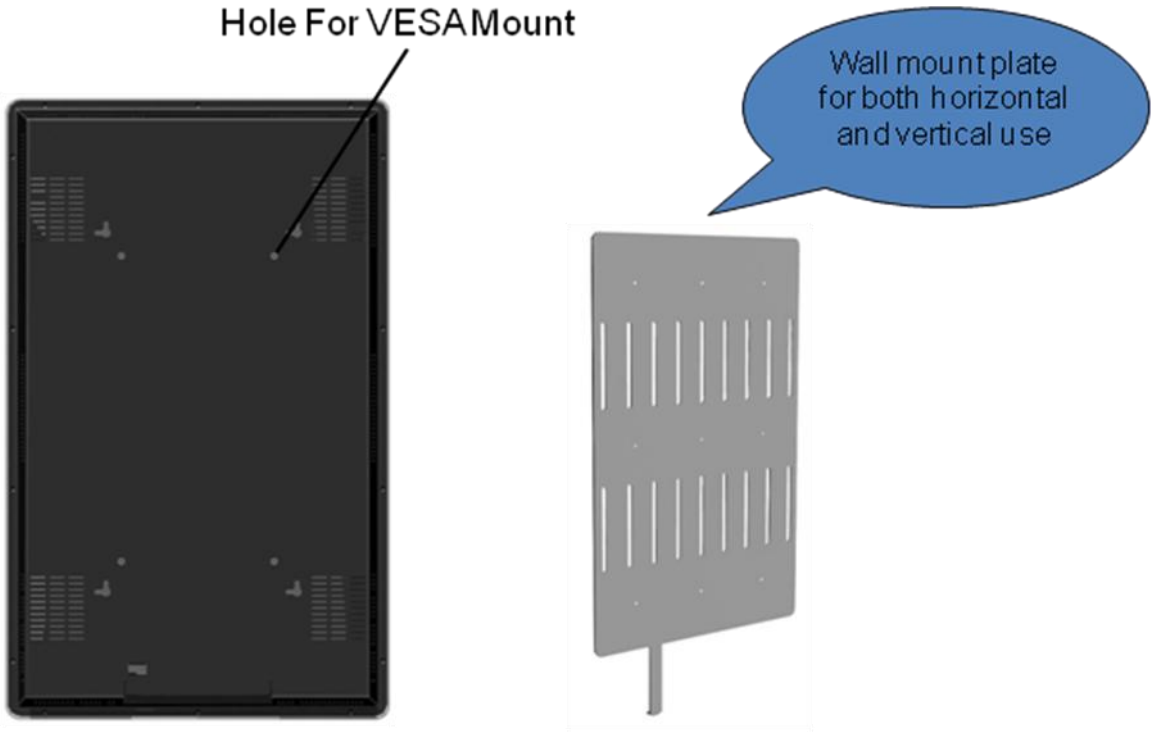
- REST: Restart button for PF Series displays only
- LAN: Development use
- HDMI: High definition HDMI signal input port
- VGA: VGA signal input port
- Audio: Audio input port
- USB: USB stick port, used to input media files

The unit can playback media files from internal flash memory or USB stick directly.

1.4 Supported media files format

Item	**Description**
Image	Support JPG, BMP, PNG
Video	Support MPG, AVI, MOV, MP4, RM, RMVB, TS
Scrolling text	Support scrolling text, can set the font size, color and scrolling speed

1.5. Wall Mounting Plate for PF Series



1.6 I/O Ports Cover

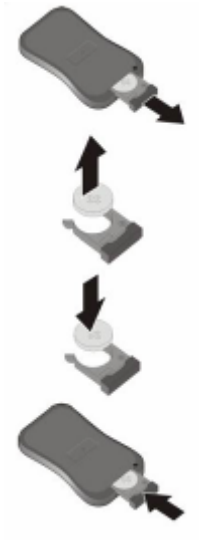
2. Remote Control

Remote instruction

Button	Description
POWER	Power on or off
⏮	previous program
⏭	Next program
+ (volume)	Raise volume
- (volume)	Lower volume
PLAY/PAUSE	Play/Pause,Confirm selection
↑	Up,navigation button
→	Left,navigation button
↓	Down,navigation button
←	Right,navigation button
STOP	Stop the selected file
SETUP	Menu setting
MUTE	Change video input

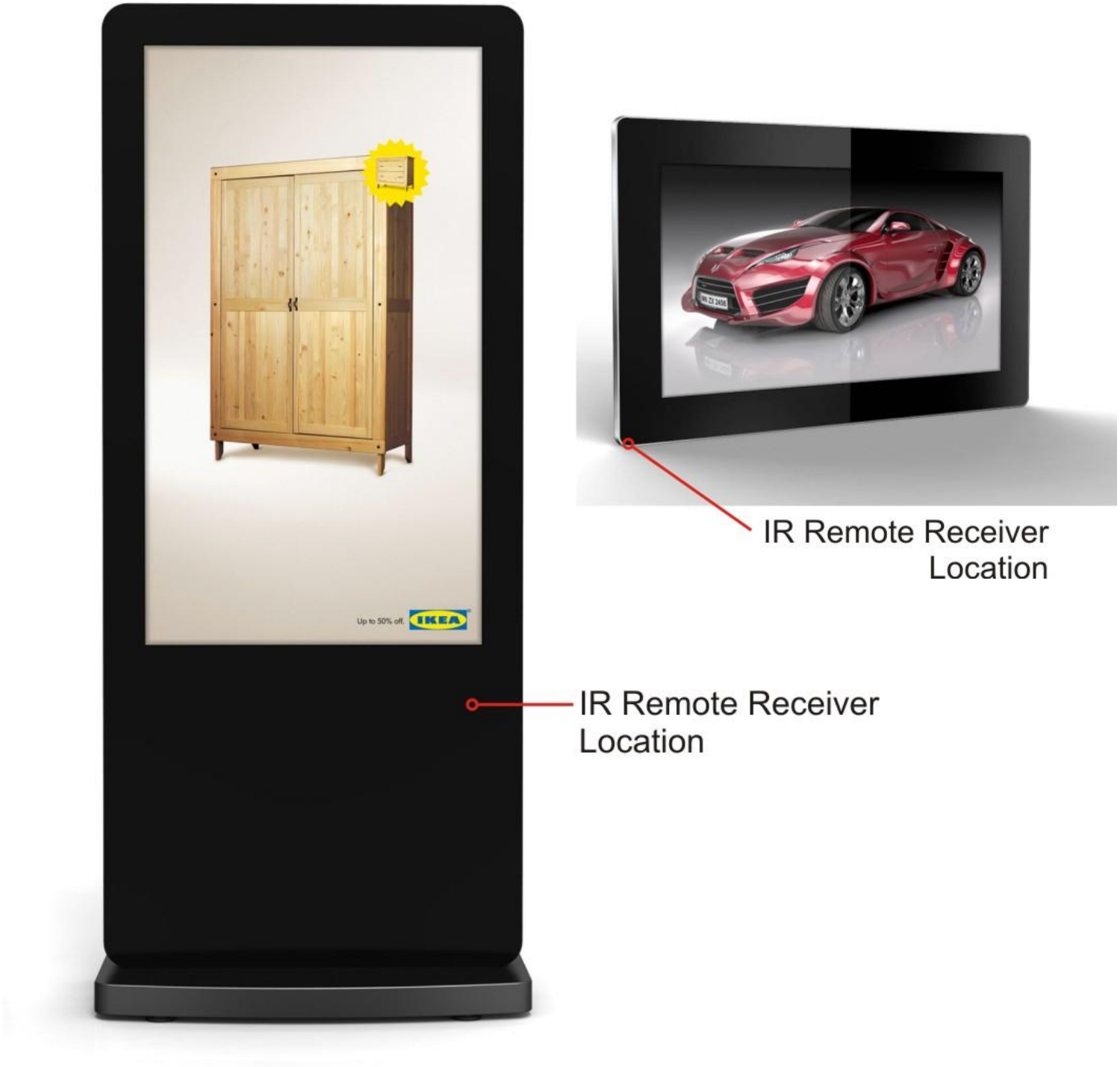
Replace remote control battery

1. Open the battery cover
2. Take out the battery box in the right direction as the following picture shows
3. Remove the used battery
4. Insert the new battery in the right way
5. Put back the cover



In order to enter the setup menu you must first press the "stop" button on the remote to go back a screen as picture below. Then press the "setup" button on the remote.

The location of the IR remote receiver on both the PF & L Series as pictured below.



3. System Setting

Main menu pictured below.

TIPS: By pressing the PLAY / PAUSE button on the Remote Control, you can go into the sub-menu or confirm the item you choose, use the arrow navigation buttons to choose the item you want.

3.1 System Settings

Under system settings you can set the OSD Language, Clock Display, Scrolling Text, USB Port, Restore to Factory Settings, and Return to Main Menu.

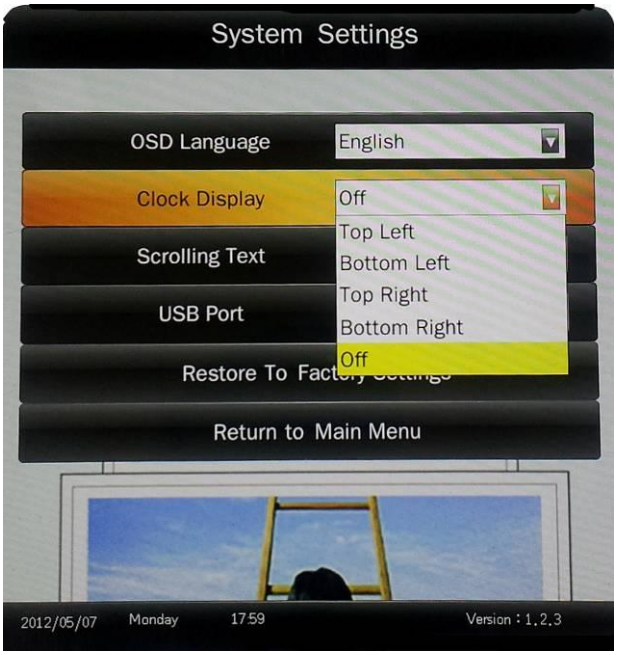
OSD Language

The OSD supports four languages – Simplified Chinese, English, French, and Japanese, are available now more languages will be supported in the future.

Clock Display

There are 4 options as pictured below :

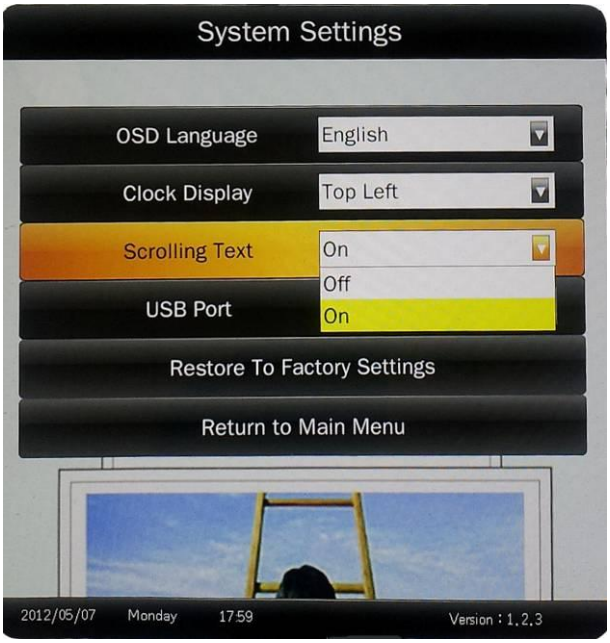
- Top Left: The time will be displayed on top left of the screen.
- Bottom Left: The time will be displayed on bottom left of the screen.
- Top Right: The time will be displayed on top right of the screen.
- Off: The screen doesn't display time.



Scrolling Text

There are 2 options as pictured below; the default setting is "On".

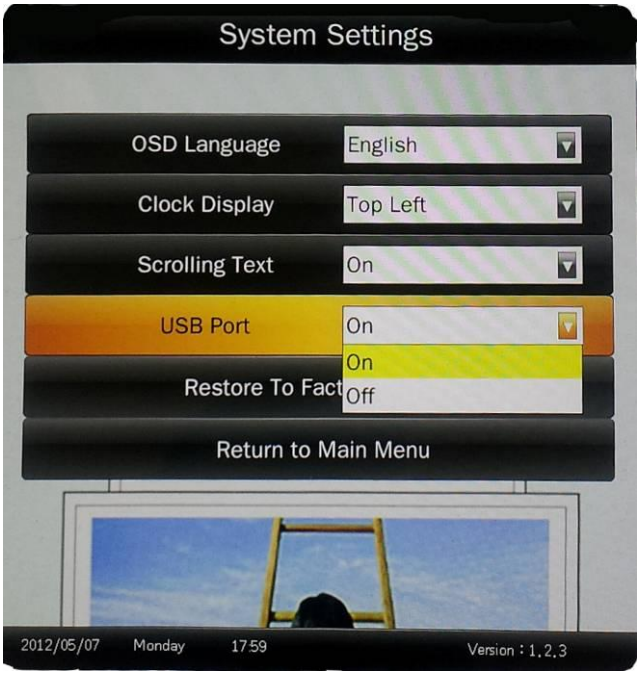
- Off: The screen doesn't display scrolling text.
- On: The screen will display scrolling text from the txt file in the playlist, if there is no playlist or there is no txt file in the playlist the screen doesn't display scrolling text.



USB Port

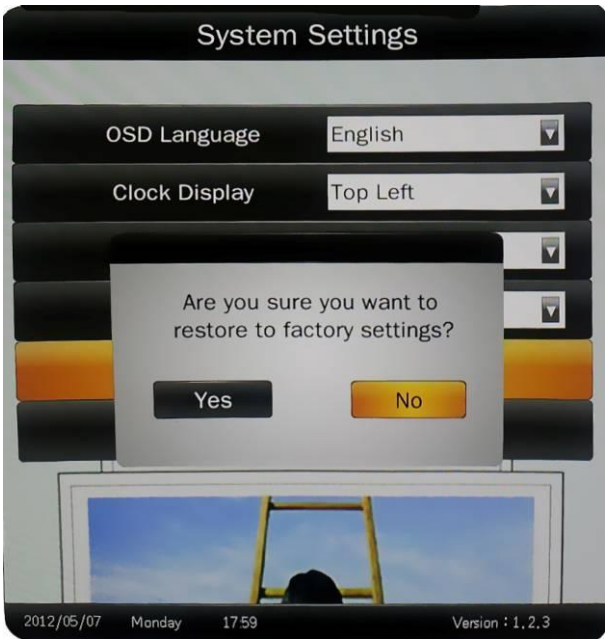
There are 2 options as pictured below, the default setting is "On".

- On: The product can support the USB device.
- Off: The product can not support the USB device.



Restore To Factory Settings

After factory settings are restored all system settings will default back to their original settings



3.2 Playback Control

Storage Priority

This is used to set the LCD display to read media files from Internal Storage or USB Disk. There are two options as pictured below:

- Internal Storage: The LCD display reads media files from the internal storage only
- USB Disk: The LCD display reads media files from the USB disk only

Playback Mode

There are three options as pictured below:

- **Free**: The user copies thier media files on to the USB stick and the LCD display will read directly from it.
- **Encrypted**: The user makes the playlist with encryption by using the ADPlaylistEditor3 software; the LCD display will read the media files after verifying the password. **(The default password is 12345678)**
- **None Encrypted**: The user makes playlist without encryption by using the software ADPlaylistEditor3 software; the LCD display will read the media files directly.

TIPS: Under the Free Playback Mode, the LCD display will playback the media files according to the file name. For example, it will playback like this: 001.avi, 002.jpg, 003.mov, or a.avi, b.jpg, c.mov.

Do Not Use special characters in the file name. (!@#￥%&*) and blank space are not supported.

Play Time

This is used to set the play time for pictures under the Free Playback Mode and is not valid for video files.

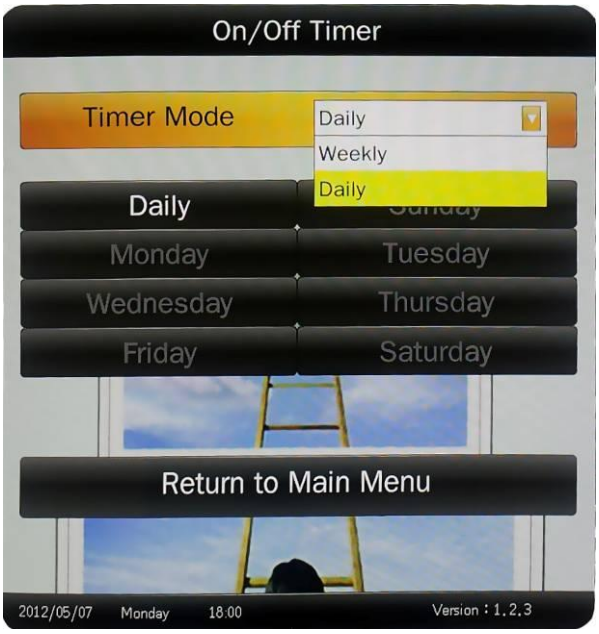
3.3 Date & Time

Procedure is listed below:

1. Choose Date & Time in the Main Menu, and press PLAY/PAUSE to go into the sub-menu.
2. Press Left or Right Navigation buttons to choose the item you want to modified.
3. Press Up or Down Navigation buttons to change the number.
4. Choose Update Date & Time to save your settings.

3.4 On / Off Timer

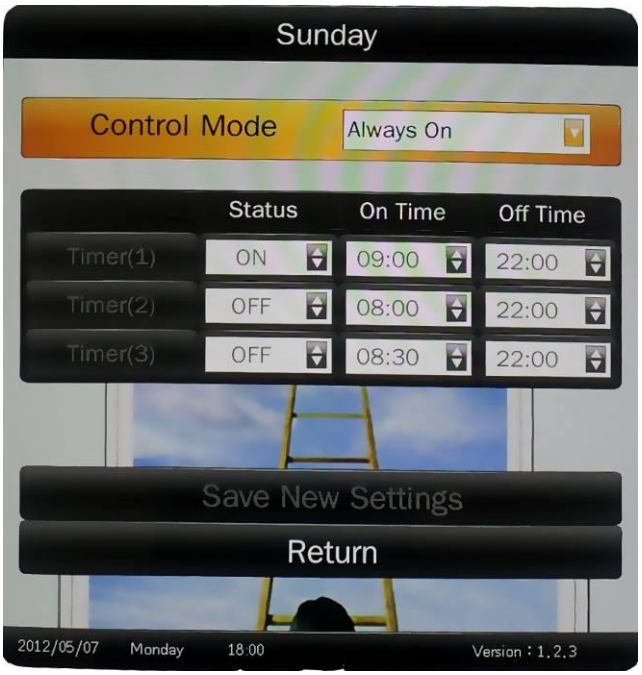
There are 2 Timer Modes to choose from pictured below.



- Weekly

  User can set the on/off timer weekly. For example, on Sunday, 6:00am on, 11:00am off:

  1. Choose Weekly in the On/Off Timer menu, press PLAY/PAUSE to confirm, see below.



  2. Choose Timer on/off in the Control Mode, then the three Timer items are valid, Choose the Status of Timer(1) to be ON, then make the On Time to be 06:00, Off Time to be 11:00.

  3. Choose Save New Settings to finish the setting

- Daily

  User can set the on/off timer daily.

  Choose Daily in the On/Off Timer menu, press PLAY/PAUSE to confirm, see below.

There are 3 items for option:

A. Timer On/Off: user can set 3 groups Timer, each group can set "On" or "Off".

B. Keep On: after connecting the power cable, the product will keep power on.

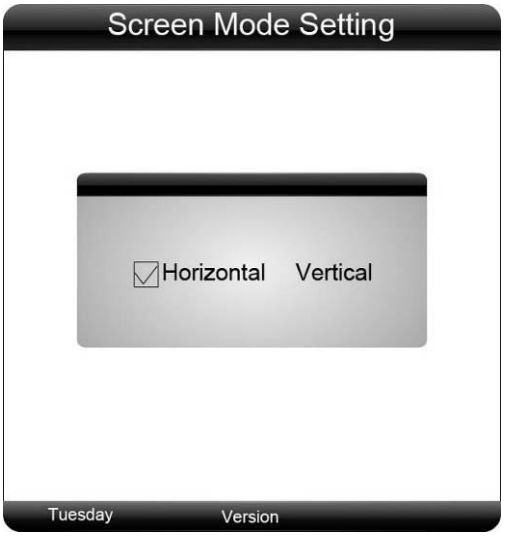
C. Keep Off: after connecting the power cable or turn on the unit by remote control, the product will power off automatically one minute later.

3.5 Local ID

Set the ID as pictured below, it only works when you need to use the network function. After setting, choose Save to finish it. (not available at this time)

3.6 Screen Mode

Set the screen to horizontal or vertical display for landscape or portrait use.



3.7 File Management

Here user can check the storage and Format the disk. Format Disk will erase all data, please be cautious.

3.7 Exit

The system will exit the main menu.

4. Input Port Setting

Press MUTE button of the remote control, below menu will pop up, this is used to choose the input signal and other system setting.

4.1 Source

There are HDMI, VGA, and Digital Signage to choose from.

HDMI: Display the content from external HDMI signal port
VGA: Display the content from external VGA signal port
Digital Signage: Display the content from internal digital signage system

4.2 System Setting

OSD Language: Simplified Chinese and English

Reset: Reset will restore the system to what's listed below:

Language: English

Source: Digital Signage

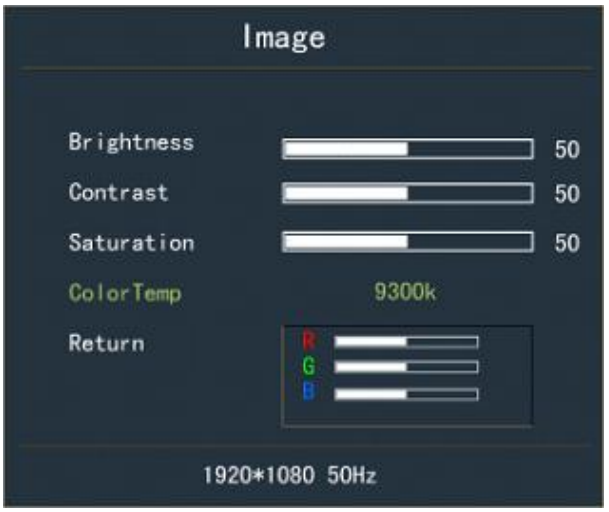
Brightness: 50

Contrast: 50

Saturation: 50

4.3 Image

Here user can set the Brightness, Contrast, and Saturation.



5. ADPlaylistEditor Introduction

ADPlaylistEditor (here after called ADPE) is a fantastic solution for digital signage, it is an innovation that entertains while maximizing the impact of your message. Create your own signage content by using your PC and the free ADPE software.

Transfer that content by using a USB stick and plug it into the LCD display to run the content, no additional hardware is needed.

5.1 Installation

- Install Microsoft .Net Framework 3.5

The installation of ADPE need Microsoft .Net Framework 3.5, user can double click Dotnetfx.exe in the accessory CD-ROM, or click below link:

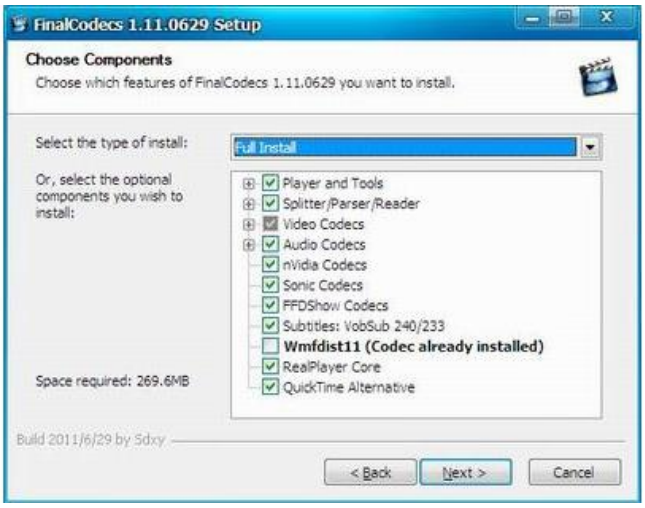
http://www.microsoft.com/downloads/zh-cn/details.aspx?familyid=333325FD-AE52-4E35-B531-508D977D32A6&displaylang=zh-cn to download and install it.

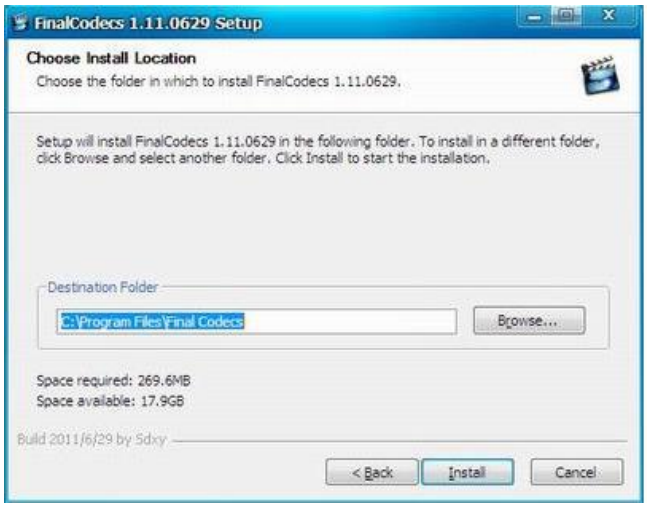
Microsoft .NET Framework 3.5 SP1 (Beta) Setup
Welcome to Setup
Microsoft .net Framework
Be sure to carefully read and understand all the rights and restrictions described in the license terms. You must accept the license terms before you can install the software.
MICROSOFT PRE-RELEASE SOFTWARE LICENSE TERMS
Press the Page Down key to see more text.
Print
I have read and ACCEPT the terms of the License Agreement
I DO NOT ACCEPT the terms of the License Agreement
Send information about my setup experiences to Microsoft Corporation.
Details regarding the data collection policy
Download File Size: 71 MB
Download Time Estimate: 2 hr 54 min (56 kbps)
19 min (512 kbps)
Install >
Cancel

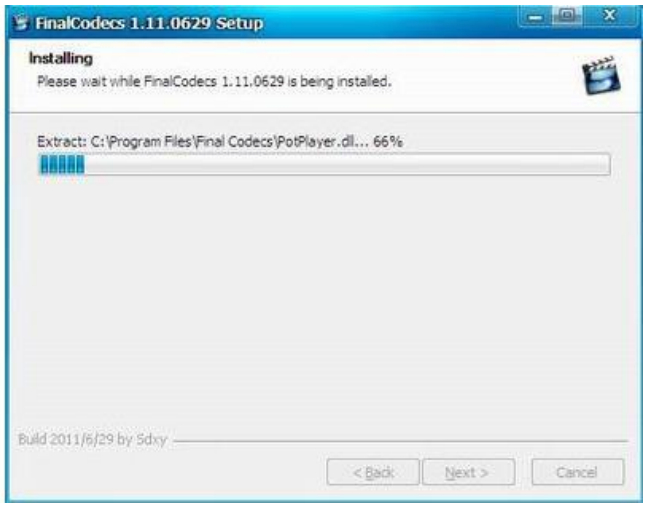
- Install FinalCode.exe

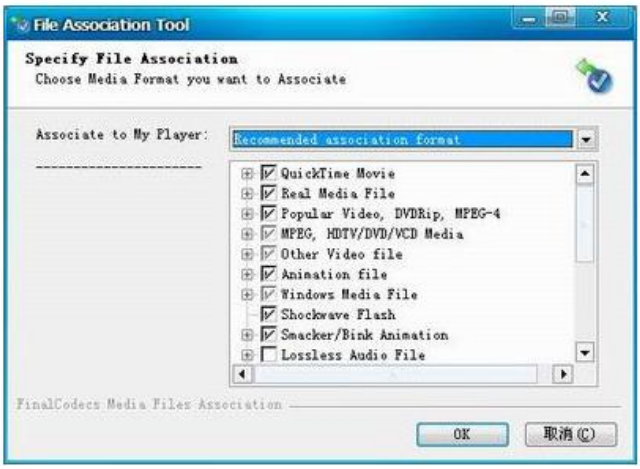
FinalCode is used to decode the media files when you use the preview function in the ADPE software, it is suggested you install otherwise the preview function may not work well.
Double click on the installer "FinalCode.exe" and follow the on-screen instructions:

FinalCodecs 1.11.0629 Setup
License Agreement
Please review the license terms before installing FinalCodecs 1.11.0629.
Press Page Down to see the rest of the agreement.
FinalCodecs 1.11.0629
FinalCodecs provide a good solution to most popular media files. It is highly recommended to first uninstall other related codec packages before installing this package. This way your system stays clean and potential problems will be avoided. This installer is able to automatically detect a lot of codec packs and it will ask you if you want to uninstall them.
Sdxy
If you accept the terms of the agreement, click I Agree to continue. You must accept the agreement to install FinalCodecs 1.11.0629.
Build 2011/6/29 by Sdxy
I Agree
Cancel




FinalCodecs 1.11.0629 Setup
Choose Install Location
Choose the folder in which to install FinalCodecs 1.11.0629.
Setup will install FinalCodecs 1.11.0629 in the following folder. To install in a different folder, click Browse and select another folder. Click Install to start the installation.
Destination Folder
C:\Program Files\Final Codecs
Browse...
Space required: 269.6MB
Space available: 17.9GB
Build 2011/6/29 by Sdxy
< Back
Install
Cancel

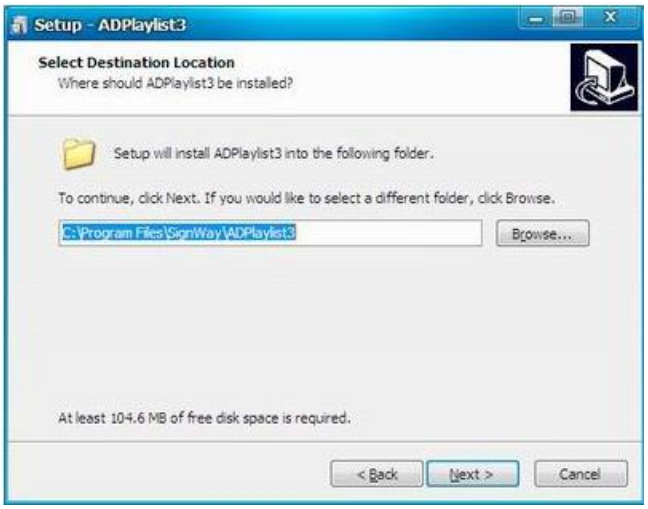


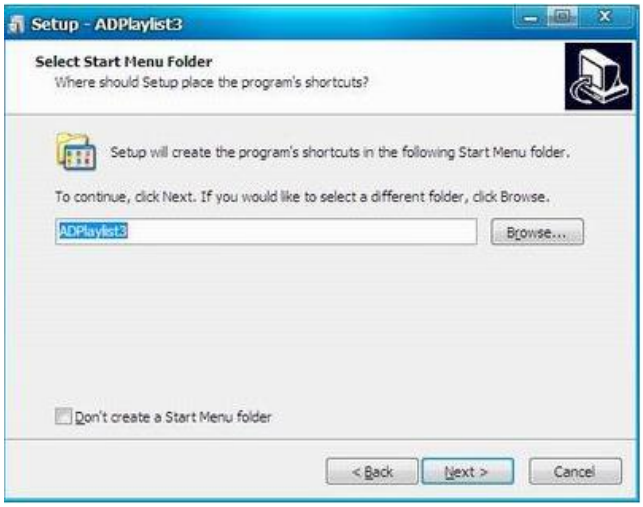


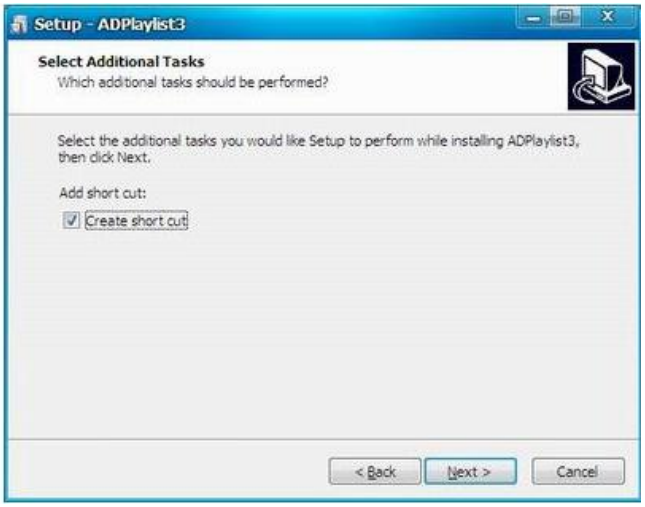
- Install ADPlaylistEditor

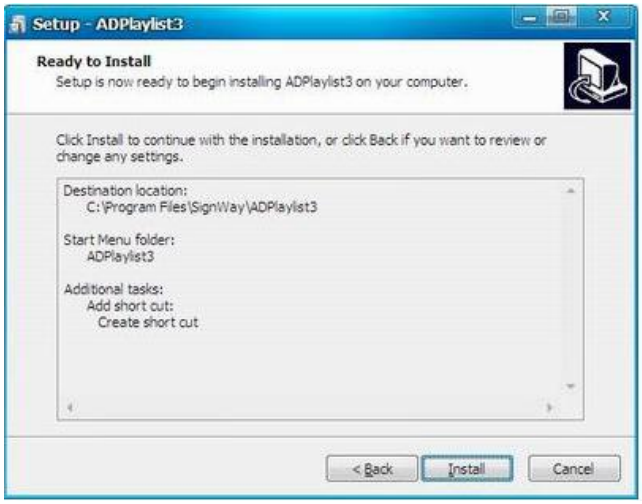
Double click on the installer "setup.exe" and follow the on-screen instructions.

Setup - ADPlaylist3
Welcome to the ADPlaylist3 Setup Wizard
This will install ADPlaylist3 ver1.0.0913 on your computer.
It is recommended that you close all other applications before continuing.
Click Next to continue, or Cancel to exit Setup.
Next >
Cancel


Setup - ADPlaylist3
Select Destination Location
Where should ADPlaylist3 be installed?
Setup will install ADPlaylist3 into the following folder.
To continue, click Next. If you would like to select a different folder, click Browse.
C:\Program Files\SignWay\ADPlaylist3
Browse...
At least 104.6 MB of free disk space is required.
< Back
Next >
Cancel


Setup - ADPlaylist3
Select Start Menu Folder
Where should Setup place the program's shortcuts?
Setup will create the program's shortcuts in the following Start Menu folder.
To continue, click Next. If you would like to select a different folder, click Browse.
ADPlaylist3
Browse...
Don't create a Start Menu folder
< Back
Next >
Cancel

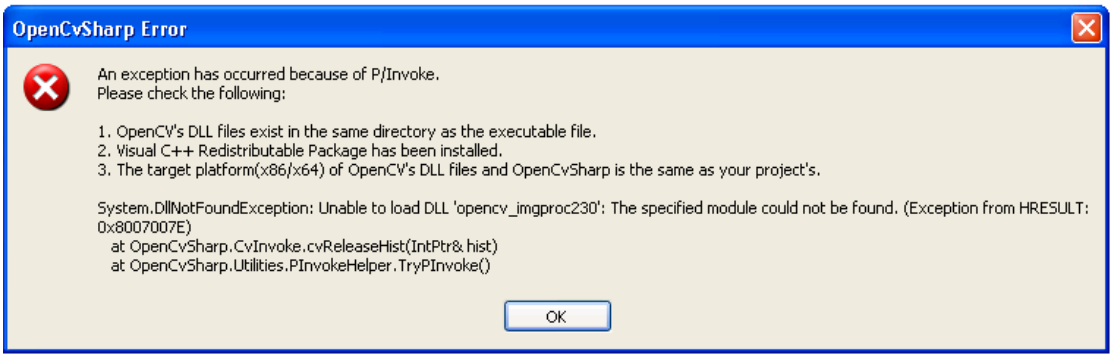

Setup - ADPlaylist3
Select Additional Tasks
Which additional tasks should be performed?
Select the additional tasks you would like Setup to perform while installing ADPlaylist3, then click Next.
Add short cut:
Create short cut
< Back
Next >
Cancel


Setup - ADPlaylist3
Ready to Install
Setup is now ready to begin installing ADPlaylist3 on your computer.
Click Install to continue with the installation, or click Back if you want to review or change any settings.
Destination location:
C:\Program Files\SignWay\ADPlaylist3
Start Menu folder:
ADPlaylist3
Additional tasks:
Add short cut:
Create short cut
< Back
Install
Cancel

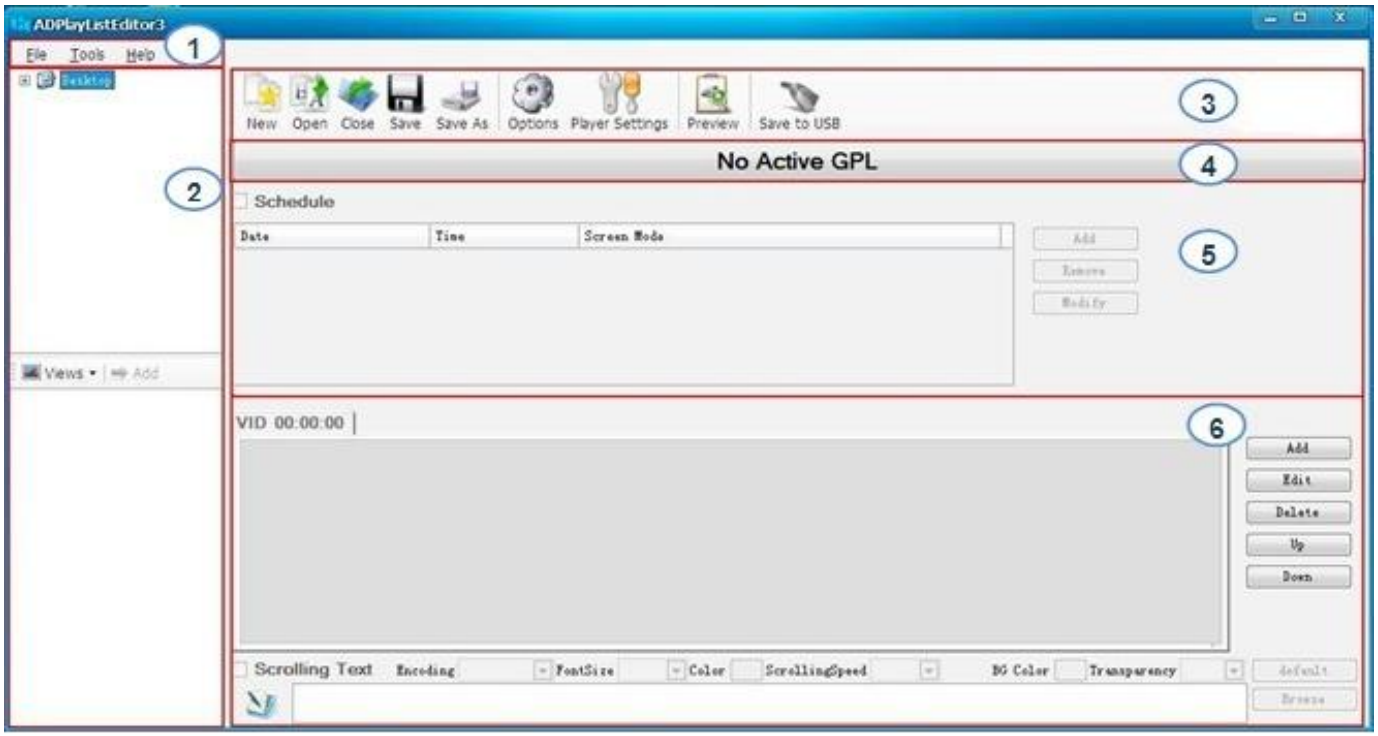
Setup - ADPlaylist3
Completing the ADPlaylist3 Setup Wizard
Setup has finished installing ADPlaylist3 on your computer. The application may be launched by selecting the installed icons.
Click Finish to exit Setup.
Run ADPlaylistEditor3
Finish

Run the software

User may need to install another software if below Error pops up when you run ADPE. Double click vcredist_x86.exe in the accessory CD-ROM which is a system patch.


OpenCvSharp Error
An exception has occurred because of P/Invoke.
Please check the following:
1. OpenCV's DLL files exist in the same directory as the executable file.
2. Visual C++ Redistributable Package has been installed.
3. The target platform(x86/x64) of OpenCV's DLL files and OpenCvSharp is the same as your project's.
System.DllNotFoundException: Unable to load DLL 'opencv_imgproc230': The specified module could not be found. (Exception from HRESULT: 0x8007007E)
at OpenCvSharp.CvInvoke.cvReleaseHist(IntPtr& hist)
at OpenCvSharp.Utilities.PInvokeHelper.TryPInvoke()
OK

Interface



1. Menu Bar: Provide access to all the features of this software.
2. Media Library: Helps the user locate media files on thier computer and gives previews in the bottom box. Supported formats include:
   - Video: av, divx, mp4, mpeg, vob, h264, ts, tp, m2ts, flv, mov, m4v, mkv, wmv, rmvb, rm
   - Image: jpg, bmp, png, gif, jpeg
   - Audio: mp3, wma, ogg, aac, wav
   - Text: txt
3. Tool Bar: Provide access to the main functions.

- New - create a new program.
- Open - open a program file already exists.
- Close - closes all the current files and clears the work space.
- Save/Save As - save your current work with the name as *.gpl.
- Options – allow user to setup a playback duration and transition style for all the images.
- Player Settings – allows the user to change the settings on their screens.
- Preview - preview the current file.
- Save to USB - saves the content and schedule to a USB disk.

4. Program Name: Display the name of the current program. It will be named as Untitled-*.gpl by default.
5. Schedule Section: Defines the start and end time of a file, as well as the screen layout.
6. Playlist Section: Allow user to add media files to the playback zones.

5.2 Playlist Creation

- **New Screen**

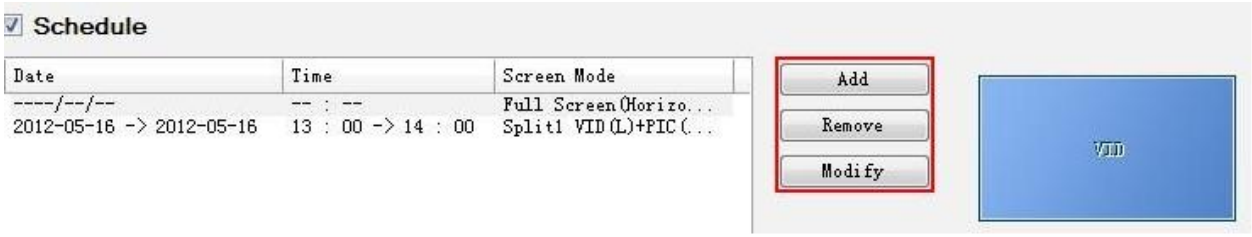
First choose the screen mode.

Click File -> New in the menu bar or click the button New on the tool bar to get below dialog box.

Select the appropriate screen mode, this must be the same as the screen mode in the main menu, otherwise it will affect the displays performance.

- **Schedule**

User can set the schedule according to the requirement.

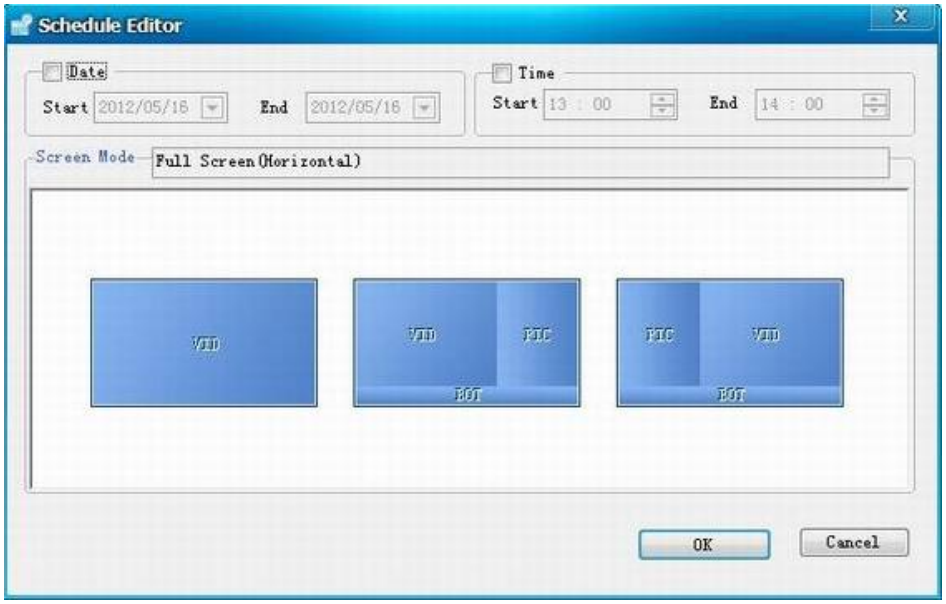


Add – add an extra new schedule

Remove - delete the selected schedule

Modify - edit the selected schedule

To add a new schedule, click Add to get Schedule Editor as below.



Selecting the checkboxes Date and Time allows the user to setup the playback duration. It also allows user to change the screen mode.

TIPS 1: There are three Screen modes for option as example under 16:9: VID which can display videos or pictures only, VID+PIC+BOT which can display videos on left, pictures on right and scrolling text at bottom, PIC+VID+BOT which can display pictures on left, videos on right and scrolling text at bottom.
TIPS 2: One period time allows one schedule only, otherwise conflict alert will be given. If you don't set the Date and Time, the content will display continually.

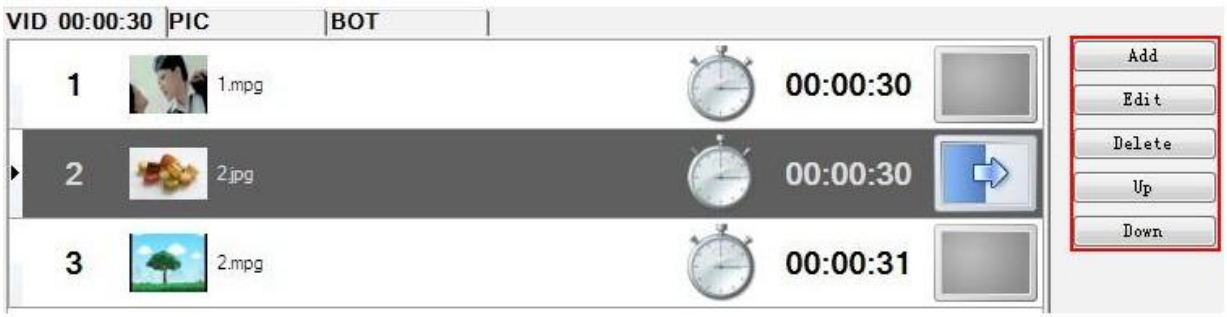
The playlist with specific playback date and time will be played prior to those with no pre-definition. Take the following schedule for example:

Date	Time	Screen Mode
----/--/--	-- : --	Full Screen(Horizontal)
2012-05-16 -> 2012-05-16	13 : 00 -> 14 : 00	Split1 VID(L)+PIC(R)+BOT

The second playlist will be played first during 13:00->14:00 on 2012-05-16 and the first playlist will be played second.

- **Set up Playlist**

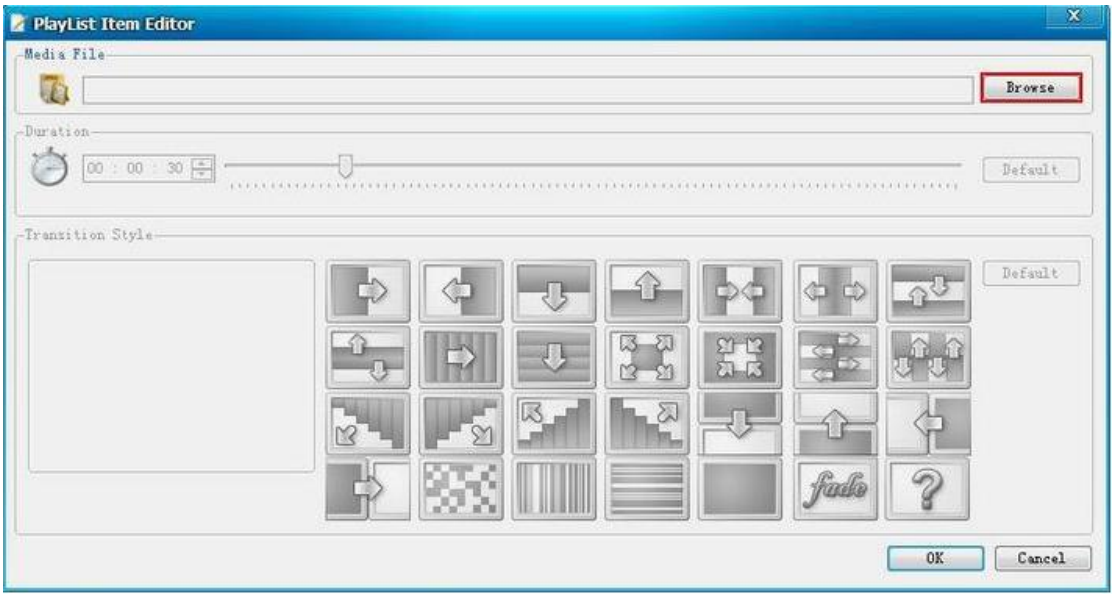
Playlist section allows user to add media files to playback zones to setup a playlist.



Click the relevant tab title to edit content for the zone:
VID - video zone, PIC - image zone, BOT - bottom zone

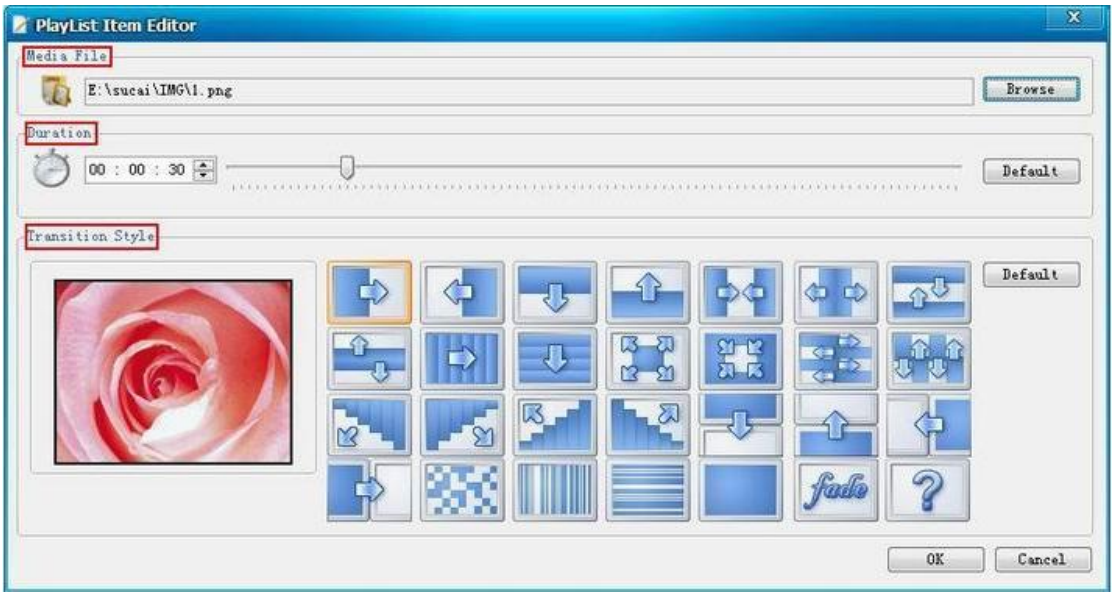
Add - Adds a media file to the current zone.
Edit - Allows user to edit a media file in the playlist.
Delete - Removes a media file from the playlist.
Up/Down - Allows user to adjust the playback sequence of listed items.

For example, in VID tab, click Add to get PlayList Item Editor.



Media File

To add video, image and audio file, click the button **Browse** in PlayList Item Editor window.
TIPS: User can only click the Add button in the Media Library to add media files.
NOTE: Only image files can be added to PIC and BOT zones.
The maximum number of media files is 100 for PIC and BOT zones. Only one media file can be added to BOT zone.



The **Duration** and **Transition Style** portions will only be available when an image is selected as the media file.

Duration: Sets the period that the image will be played. User can define the playback duration for each image by entering a figure in the time box or dragging the time bar. The supported maximum duration is 2 hours.
Transition Style: The transition effect is used to introduce the next image. User can define the transition style for each image.

TIPS: The Options button in the Tool Bar allows you to setup a uniform duration and transition style for all images.

Scrolling Text: To add or edit scrolling text, select the checkbox at the lower part of the Playlist section.

- To add a scrolling text, click the button Browse to select a pre-prepared text file which will then be displayed in the edit box.
  NOTE: Only *.text files are supported.
- To edit a scrolling text, just enter the text in the edit box.

- To delete a scrolling text, just uncheck Scrolling Text.

User can set the Encoding, Font size, Color, Scrolling speed, back ground color and Transparency of the scrolling text.

The scrolling text will be displayed at the bottom of the screen in full-screen mode, or in BOT zones in split-screen modes.

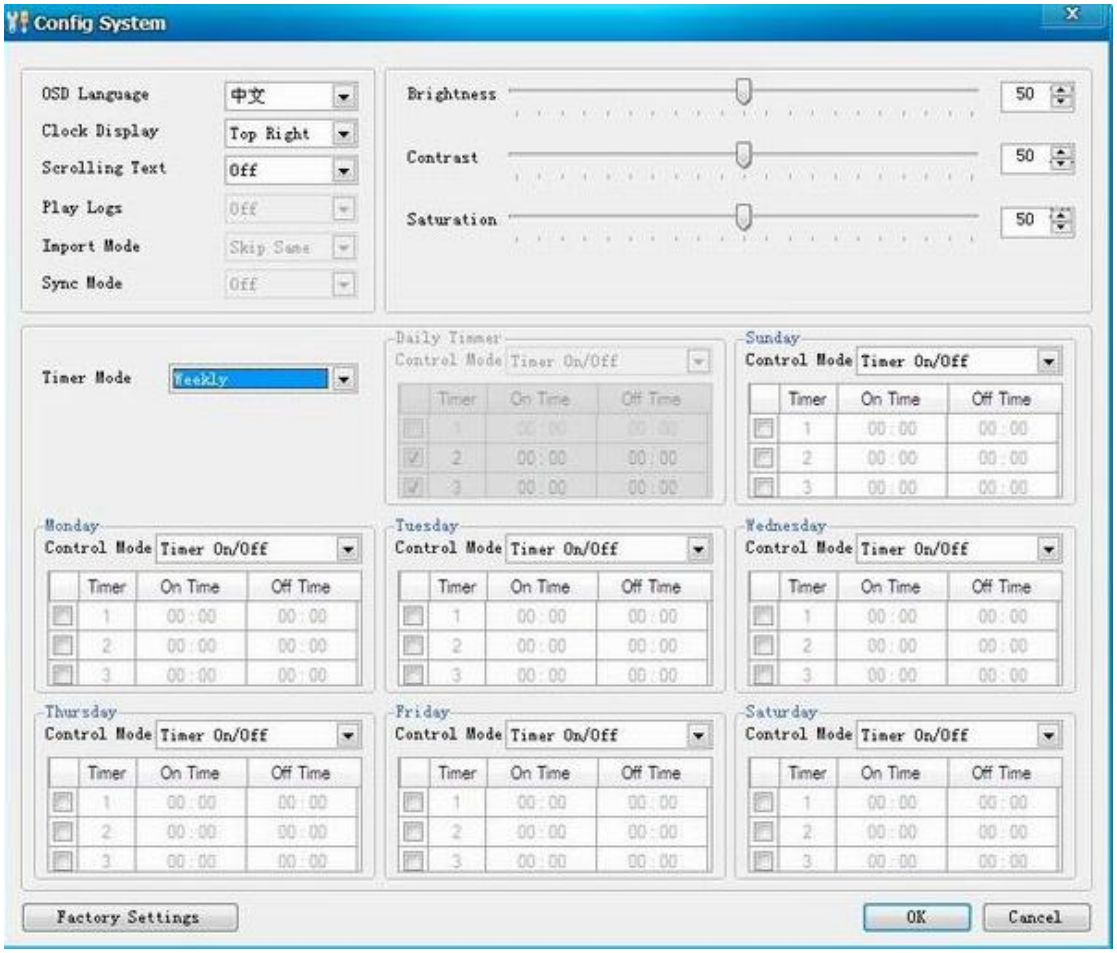
Now the user can preview and save the finished playlist.

5.3 Player Settings

The Player Settings button on the tool bar allows user to make settings on the player. These settings can be imported to the player via the feature Save to USB.

TIPS: To import these settings to players, the user needs to enable this feature by clicking the Player Settings box in the Save to USB window.

Click Player Settings to get the window pictured below:

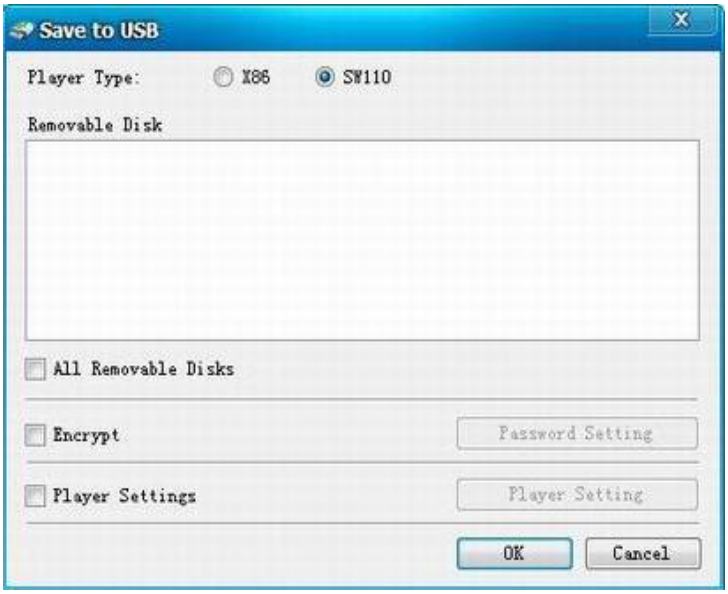


The above menu is the same as the Main Menu set by remote control.

5.4 Save to USB

The function Save to USB allows user to save the finished playlist to a USB disk for input into the LCD display.

Click Save to USB in the Tool bar or click Tools -> Save to USB.



- Select the player type, X86 or SW110. SW110 is for standalone type LCD display.
- Insert a USB disk, and then select the disk you wish to save to.
- Choose whether to encrypt the playlist. This step is not necessary.

Select the checkbox Encrypt to enable this function. Then click the button Password Setting to change the password if necessary.

Please note that the password should be the same as the player password, otherwise the playlist cannot be imported into the LCD display.

TIPS: The password can also be setup via Tools -> Password Setting, and the player password via Tools -> Player Password Update. The default password is 12345678.

- Player Settings. This step is not necessary.

Select the checkbox Player Settings to enable this function. Then click the button Player Setting to change the settings if necessary.

TIPS: The player settings will be packed together with the playlist and then imported into LCD display. This step is not necessary.

Click OK to finish.

6. Content Update

6.1 Update content directly

If user doesn't want to use ADPE to make their playlist, They can copy their media files on to a USB stick and plug it into the USB port of the LCD display.

If the Storage Priority in the Playback Control Menu is set to USB Disk, then the LCD display will playback the media files directly.

If the Storage Priority in the Playback Control Menu is set to Internal Storage, then the media files will be imported into the internal storage and will playback the media files after they are uploaded.

6.2 Update content via ADPE

After making a playlist and saving it to the USB successfully by ADPE, plug the USB into the USB port of the LCD display.

If the Storage Priority in the Playback Control Menu is set to USB Disk, then the LCD display will playback the content in the playlist directly.

If the Storage Priority in the Playback Control Menu is set to Internal Storage, then the media files will be imported into the internal storage and will playback the media files after they are uploaded.

7. Screen Template Dimensions

These are the sizes need to set-up your files to proportionally fit the zones.

7.1 Horizontal (Landscape) dimension

7.2 Vertical (Portrait) dimension